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10 Record PCT/PCT 29 JUN 2004

INTERNATIONAL SEARCH REPORT

Inte	al Application No
PCT/US	02/21297

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C07D401/12 C07D211/54 C07D207/12 C07D223/06 A61K31/4465

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 01 81303 A (HOFFMANN LA ROCHE) 1 November 2001 (2001-11-01) see Scheme 15, compounds 1-15; Scheme 16, compounds 1-16 page 1, line 1 -page 2, line 29; examples 40, 56, 67, 68, 91 ---	1-7, 18-35, 40-57
X	WO 01 51469 A (ACKERMANN KARL AUGUST ;AMSTERDAM CHRISTOPH VAN (DE); BOETTCHER HEN) 19 July 2001 (2001-07-19) page 1, line 1 -page 4, line 5; example 2 ---	1-7, 18-35, 40-57
X	US 6 124 323 A (BIGGE CHRISTOPHER F ET AL) 26 September 2000 (2000-09-26) column 10, line 15 -column 12, line 34 --- -/-	1-7, 18-35, 40-57

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
11 November 2002	26/11/2002
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl Fax: (+31-70) 340-3016	Authorized officer Usuelli, A

INTERNATIONAL SEARCH REPORT

Int'l	Application No
PCT/US 02/21297	

C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 705 853 A (CALE JR ALBERT D) 10 November 1987 (1987-11-10) Preparation 22 column 37 ---	18
X	DATABASE CAPLUS 'Online' CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; WANG, H.; WEN, R.; HUANG, L.; INNIS, R.B.; TAN, P.: "Synthesis and biological activities of new 5-HT2A selective ligands N-substituted-piperidinyl-4-phenylthioether and sulfone derivatives" retrieved from STN, accession no. 2001: 425735 Database accession no. 136:247481 XP002220125 RNs:403848-69-1 and 403848-67-9 abstract ---	18

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 8-17, 36-45, 56 (part), 57 (part)

Present claims 8-57 relate to an extremely large number of possible compounds and compositions. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, claims 8-57 so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds of claims 18 (Formula II), 46 and 49.

The subject matter of claims 1-7 has been searched completely.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 02/21297

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 1-7 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compounds.
2. Claims Nos.: 8-17, 36-45, 56 (part), 57 (part)
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple Inventions in this International application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Inte
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PCT/US 02/21297

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INTERNATIONAL SEARCH REPORT

Information on patent family members

Inte	ai Application No
PCT/US 02/21297	

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